

Atty Docket No. 2003-0056-01
USSN 10/609,223

On page 3 please amend the fourth paragraph as follows:

-The beam 14 may be incident upon a beam splitter 16 which may pass, e.g. almost 99% of the light in the beam 14, forming beam 20 and reflect essentially the rest of the light in the beam as beam 22. Beam 22 may be passed through a bandwidth detector, e.g., dispersive or interferometric bandwidth detector, e.g., an etalon 24, which can create, e.g., a beam having peaks ("fringes") in concentric rings which are a function of the wavelengths of the light in the spectrum of the beams 20, 22, the ~~fringes-width~~ of the peaks being also a function of the bandwidth of the spectrum of the light in the beams 20, 22.--

On page 4 please amend the second paragraph as follows:

-The processor (not shown) in the controller 34 may compute the unknown spectral bandwidth of the spectrum of, e.g., the laser emitted light in the beams 20, 22, according to a slope and intercept formula BW_1 (e.g., at FWHM) = $A * (\text{fringe measurement (e.g., at FWHM)}) + C$. The slope and intercept, A and C, may be, e.g., predetermined calibration values, e.g., which may be determined for a given wave meter at the time of manufacture. These values of A and C may be determined, e.g., by calibration with light sources whose FWHM is measured with a very accurate bandwidth meter. For purposes of this application the value utilized in calibration, e.g., FWHM of the spectrum of the calibration light will be referred to as the Measured-Reported Parameter. The value utilized to determine the bandwidth of the response of the bandwidth detector to the spectrum of light being measured by the bandwidth detector/meter will be referred to as the ~~reported-Measured~~ p[P]parameter. The ~~Reported-Measured~~ Parameter is, therefore, the computed value from the ~~measured-Reported~~ voltages from the PDA 30 used ultimately to determine if the light is of the right bandwidth and to provide control instruction to the laser if the laser is not within operating specifications.--

Remarks

The above-noted amendment to the specification is made due to typographical errors and to make it consistent with the rest of the application. No new matter was added.

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Conclusion

Applicants do not believe that there are any outstanding fees or charges relating to this Preliminary Amendment, but in the event that there are, the Commissioner is hereby authorized to charge the Deposit Account of Cymer, Inc., Deposit Account No. 03-4060, for any such fees or charges.

Respectfully submitted,

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